



Please type a plus sign (+) inside this box →

12621
FFW
PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/882,787
		Filing Date	Jun 14, 2001
		First Named Inventor	Qi
		Group Art Unit	2621
		Examiner Name	TRAN, PHUOC
Total Number of Pages in This Submission		Attorney Docket Number	MS1-717US

ENCLOSURES (check all that apply)

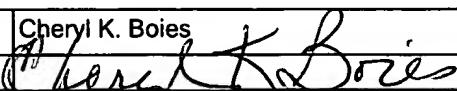
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) Sheets <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; reference copies (34); return receipt postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Steven R. Sponseller, Reg. No. 39,384
Signature	
Date	8-30-04

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____

Typed or printed name	Cheryl K. Boies
Signature	
Date 8/30/04	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEET TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

Application Number	09/882,787
Filing Date	Jun 14, 2001
First Named Inventor	Qi
Examiner Name	TRAN, PHUOC
Art Unit	2621
Attorney Docket No.	MS1-717US

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number	12-0769
Deposit Account Name	Lee & Hayes, PLLC

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$ 0)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X =
Independent Claims	- 3** =	X =
Multiple Dependent		=

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0)		

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Steven R. Sponseller	Registration No. (Attorney/Agent)	39,384	Telephone (509) 324-9256
Signature			Date	8-30-04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



1 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Application Serial No..... 09/882,787
3 Filing Date..... Jun 14, 2001
4 Confirmation No. 9983
5 Inventorship..... Qi
6 Applicant Microsoft Corporation
Group Art Unit 2621
7 Examiner MARIAM, DANIEL G
Attorney's Docket No. MS1-717US
Title: A Method And Apparatus For Shot Detection

8 **INFORMATION DISCLOSURE STATEMENT**

9 **References – See Attached Form PTO-1449**

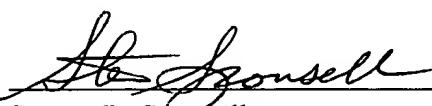
10 To: Commissioner for Patents
PO Box 1450
11 Alexandria, VA 22313-1450

12 From: Steven R. Sponseller (Tel. 509-324-9256; Fax 509-323-8979)
Lee & Hayes, PLLC
13 421 W. Riverside Avenue, Suite 500
14 Spokane, WA 99201

15 The attached form PTO-1449 is submitted in compliance with Applicant's duty of
16 disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of
17 official record in this application.

18 The Commissioner is hereby authorized to charge payment of fees or credit
19 overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).
20

21 Dated: 8-30-04

22 By: 
23 Steven R. Sponseller
24 Reg. No. 39,384

09/01/2004 SRINASS1 00000055 120769

09/01/2004 0830041120 MSI-717US.ID4
01 FC:1806 180.00 DA

Please type a plus sign (+) inside this box →

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

She

1

of

4

Complete if Known

Application Number	09/882,787
Filing Date	Jun 14, 2001
First Named Inventor	Qi
Group Art Unit	2621
Examiner Name	MARIAM, DANIEL G
Attorney Docket Number	MS1-717US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/882,787
		Filing Date	Jun 14, 2001
		First Named Inventor	Qi
		Group Art Unit	2621
		Examiner Name	MARIAM, DANIEL G
Sheet	2	of	4
		Attorney Docket Number	MS1-717US

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		10/371125, US Patent Application Serial Number 10/371125 filed February 20, 2003 Inventors Wei-Ying Ma et al. Entitled "Systems and Methods for Enhanced Image Adaptation," (Attorney Docket MS1-1406US)
		LIENHART, R. et al., "On the Detection and Recognition of Television Commercials," University of Mannheim, 17 pages.
		HARGROVE, THOMAS, "Logo Detection in Digital Video" Math 100 03/06/2001, http://toonarchive.com/logo-detection/ 9 pages.
		http://www.fatalfx.com/nomad/ "NOMAD (No More Advertising)," February 17 2003, 4 pages.
		SADLIER, DAVID A., "Automatic TV Advertisement Detection from MPEG Bitstream," Centre for Digital Video Processing/Research Institute for Network & Communication Eng. Dublin City University, 12 pages.
		SANCHEZ, JUAN MARIA, "AudiCom: a Video Analysis System for Auditing Commercial Broadcasts," Computer Vision Center Departament d'Informatica Universitat Autonoma de Barcelona, 5 pages.
		ZABIH, RAMIN, "A Feature-Based Algorithm for Detecting and Classifying Scene Breaks," Computer Science Department, Cornell University, 16 pages.
		LU LIE et al., "Content Analysis for Audio Classification and Segmentation" IEEE Transactions on Speech and Audion Processing, Vol. 10, No. 7, October 2002, pages 504-516.
		LU, LIE et al., "A Robust Audio Classification and Segmentation Method," Microsoft Research China, 9 pages.
		LU, LIE et al., "Content-Based Audio Segmentation Using Support Vector Machines," 2001, IEEE, pages 956-959.
		JHA, UMA S., "Wireless Landscape-Need for Seamless Connectivity," Wireless Personal Communications, 2002, pages 275-283.

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/882,787
				Filing Date	Jun 14, 2001
				First Named Inventor	Qi
				Group Art Unit	2621
				Examiner Name	MARIAM, DANIEL G
Sheet	3	of	4	Attorney Docket Number	MS1-717US

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		HELD, GIBERT, "Focus on Agere System's Orinoco PC Card," International Journal of Network Management, January 2002, pages 187-193.
		CHERRY, STEVEN M., "Pesky Home Networks Trouble cable Behemoths," IEEE Spectrum, April 2002, pages 60-61.
		NIEBUR, E. et al., "Computational Architectures for Attention," The Attentive Brain, Chapter 9, 1998, pages 163-186.
		WOLFE, J. M. et al., "Deploying Visual Attention: The Guided Search Model," AI and the Eye, Chapter 4, 1990, pages 79-103.
		ZADEH, L. A., "Probability Measures of Fuzzy Events," Journal of Mathematical Analysis and Applications, 23 1968, pgs 421-427.
		TSOTSOS, J. K. et al., "Modeling Visual Attention Via Selective Tuning," Artificial Intelligence v78, 1995, pgs 507-545.
		MA, Y.-F. et al., "A Model of Motion Attention for Video Skimming," IEEE ICIP, 2002m, pages I-129 to I-132.
		SAHOO, P.K. et al., "Threshold Selection Using a Minimal Histogram Entropy Difference," Optical Engineering, v36, no7, July 1997, pages 1976-1981.
		MILANESE, R. et al., "Attentive Mechanisms for Dynamic and Static Scene Analysis," Optical Engineering, v34, no8, August 1995, pages 2428-2434.
		JING, et al., "An Effective Region-Based Image Retrieval Framework," From ACM Multimedia 2002, 28 pages.
		LI, et al., "Statistical Learning of Multi-View Face Detection," Proceedings of ECCV, 2002, 25 pages.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/882,787
Sheet	4	of	4	Filing Date	Jun 14, 2001
				First Named Inventor	Qi
				Group Art Unit	2621
				Examiner Name	MARIAM, DANIEL G
				Attorney Docket Number	MS1-717US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHMAD, SUBUTAI, "VISIT: A Neural Model of Covert Visual Attention," Advances in Neural Information Processing Systems, v. 4, 1991, pgs 420-427.	
		BALUJA et al., "Expectation-Based Selective Attention for Visual Monitoring and Control of a Robot Vehicle," Robotics and Autonomous System, v. 22, no. 3-4, December 1997, pages 329-344.	
		DENG et al., "Peer Group Filtering and Perceptual Color Image Quantization," Proceedings of IEEE International Symposium on Circuits and systems, Vol. 4, 1999, pages 21-24.	
		ITTI et al., "A Model of Saliency-based Visual Attention for Rapid Scene Analysis," IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998.	
		MA et al., "A User Attention Model for Video Summarization," Proceedings of ICIP, 2002.	
		CHEN et al., "A Visual Attention Model for Adapting Images on Small Displays," ACM Multimedia Systems Journal, 2003.	
		LU, Xiaoye et al., "An Integrated Correlation Measure for Semantic Video Segmentation," IEEE 2002, 4 pages.	
		FAN, Xin et al., "Visual Attention Based Image Browsing on Mobile Devices," 4 pages.	

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.